

Human Eotaxin ELISA Kit | CCL11 elisa kit

Human Eotaxin PicoKine ELISA Kit

CATALOG #
AAA45204

REACTIVITY
Human

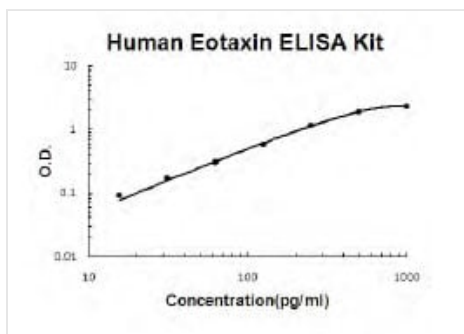
PRODUCT SYNONYMS

Eotaxin; Human Eotaxin PicoKine ELISA Kit; chemokine (C-C motif) ligand 11; C-C motif chemokine 11; CCL 11; CCL11; CCL11_HUMAN; Chemokine (C-C motif) ligand 11; Chemokine C C motif ligand 11; Chemokine CC Motif Ligand 11; Chemokine ligand 11; Eosinophil Chemotactic P; Eosinophil chemotactic protein; Eotaxin 1; MGC22554; SCYA 11; SCYA11; Small inducible cytokine A11; Small inducible cytokine subfamily A (Cys Cys) member 11; Small inducible cytokine subfamily A member 11; Small-inducible cytokine A11; CCL11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CCL11
Sequence Length	97
Samples	Cell culture supernates, serum and plasma(citrate, edta)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<2pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess interassay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL11 elisa kit

Principle of the Assay: The Picokine™ Human CCL11 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CCL11 with a 96-well strip plate that is pre-coated with antibody specific for CCL11. The detection antibody is a biotinylated antibody specific for CCL11. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CCL11 with immunogen: Expression system for standard: E.coli; Immunogen sequence: G24-P97. The kit is analytically validated with ready to use reagents. To measure Human CCL11, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human CCL11 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CCL11 in the sample.

Background/Introduction: Eotaxin, also known as CCL11, is a potent inducer of eosinophil chemotaxis and is considered as a selective ligand of the CC chemokine receptor 3(CCR3), which is expressed on eosinophils, basophils, and Th2 lymphocytes. Eotaxin is assumed to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. The gene maps to chromosome 17 and is expressed constitutively at high levels in small intestine and colon, and at lower levels in various other tissues. The deduced mature protein sequence is 66% identical to human monocyte chemoattractant protein-1, and 60% identical to guinea pig eotaxin. Recombinant human eotaxin produced in insect cells induces a calcium flux response in normal human eosinophils, but not in neutrophils or monocytes. The human eotaxin gene is cloned and found to be 61.8 and 63.2% identical at the amino acid level to guinea pig and mouse eotaxin.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1706661
NCBI GeneID	6356
UniProt Accession #	P51671 ; P50877 ; Q92490 ; Q92491
Molecular Weight	10,732 Da
NCBI Official Full Name	Eotaxin
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 11
NCBI Official Symbol	CCL11
NCBI Official Synonym Symbols	SCYA11
NCBI Protein Information	eotaxin; eotaxin-1; eosinophil chemotactic protein; small inducible cytokine subfamily A (Cys-Cys), member 11 (eotaxin)
UniProt Protein Name	Eotaxin
UniProt Gene Name	CCL11
UniProt Synonym Gene Names	SCYA11
UniProt Entry Name	CCL11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ccl11-human-elisa-kits/eotaxin/45204>